

Eastern Long Island Sound
Supplemental Environmental Impact Statement
Physical Oceanographic Study
March 9, 2012

Background;

This study to collect physical oceanographic data will be used to to evaluate potential dredged material disposal sites in eastern Long Island Sound. This study will build on work previously conducted in eastern Long Island sound and Block Island sound as part of the Long Island Sound and Rhode Island Sound Environmental Impact Statements. This study is to characterize the eastern portion of the sound, build on work conducted by EPA, NOAA, and USGS for sidescan sonar and bathymetry, and currents.

The contractor must comply with CT DOT contract policies. The contractor must also complete a financial disclosure form for EPA (to be provided). The contractor will work with a project team consisting of agency representatives from CT DOT, CT DEEP, EPA Region 1, and USACE New England District.

The contractor may not make any claims to EPA or have any financial recourse as a result of this scope of work.

By adhering to this scope of work, the contractor is not guaranteed additional studies/projects should funding become available. This Scope of work is for the Physical Oceanographic study of eastern Long Island Sounds.

Tasks are outlined as follows:

Task PO1: Data Gaps

The contractor will review the LIS EIS documentation available online and determine if data gaps exist. Data collected by other sources to supplement the EIS data occurred from 1988-1997. USACE collected data at the New London site in 1997. Contractor will review the LIS EIS, work completed by USGS, Signell et.al., SUNY, UCONN, URI, EPA, USACE and will work with the project management team. The Contractor will submit a report of data gaps and will include a development plan. This development plan will include existing gaps, suggested outcomes, purpose and need, study design, methods, rationale, modeling, worst case storm events and recommended studies for future efforts as part of the investigations for the Eastern Long Island Sound SEIS.

The contractor will complete this task by May 1, 2012.

Task PO2: Study Design

The contractor will develop a study design based on results from task 1. The study design will include costs associated with vessel- based field work and deployment of long term Acoustic Doppler Current Profiler (ADCP) meters to capture seasonal water column xxx variation in a year. The design should build on work previously completed as part of the LIS EIS.

The study design should incorporate xx weeks for appropriate review and approval by LIS project workgroup.

This task will include a meeting and several conference calls as needed. All documentation should be provided in MS Word format.

The contractor will complete this task for Study Design before field work commences.

The contractor will complete this task by May 15, 2012.

Task PO3: Quality Assurance Project Plan (QAPP)

The contractor shall complete and submit a QAPP for EPA region 1 Quality assurance approval before starting field work. Information on writing a QAPP may be found at EPA.gov/QA.

The contractor will complete this task by April 15, 2012

Task PO4: Modeling Plan

This task will include the development of a modeling plan for eastern LIS. The modeling should include an update of worst case scenario's and recent storm events.

Jeannie will add more.

The contractor will complete this task by April 1, 2013.

Task PO5: Data Collection and Field Work

Jeannie will add

Task PO6: Fact sheet

The contractor will provide outreach materials summarizing study results such as a powerpoint presentation and several fact sheets in PDF format for possible use in public outreach at a later date.

The contractor will complete the task of Data analysis by April 2013.

Task PO7: Report writing and Appendices

The contractor will provide a written report to CT DOT, CT DEEP , EPA R1 and EPA R2 , and USACE NAE, both electronically and by hard copy, of the results of the study. The report must be provided as a pdf. The report will be used as an appendix to the ELIS as necessary and but should be written as a stand alone report.

The contractor will complete this task by October 1, 2013.

Task PO8: Meetings

The contractor is expected to travel to CT DOT office at 2800 Berlin Turnpike, Newington CT 06131 and possibly the EPA Boston office if necessary.

The contractor should include travel costs to CT for 3 meetings for the duration of the project (beginning, mid project , and to present the results). In addition, the contractor is expected to host webinars or conference calls as needed throughout the project for project updates and team meetings.

Task PO9: Modeling

This task will include modeling of data for different scenarios for dredged material placement at dredged material disposal sites in eastern Long Island Sound. The modeling should include an update of worst case scenario's and recent storm events.

Jeannie will add more.

The contractor will complete this task by April 1, 2013.

Schedule:

	April/May	June/July/Aug	Sep/Oct/Nov	Dec/Jan/Feb	March/April/May	June –Nov 2013
Task PO1	x					
Task PO2	x					
Task PO3	x					x
Task PO4			x	x	x	x
Task PO5						x
Task PO6	x	x	x	x	x	x

Task PO7				x	
Task PO8	x		x		x
Task PO9					x